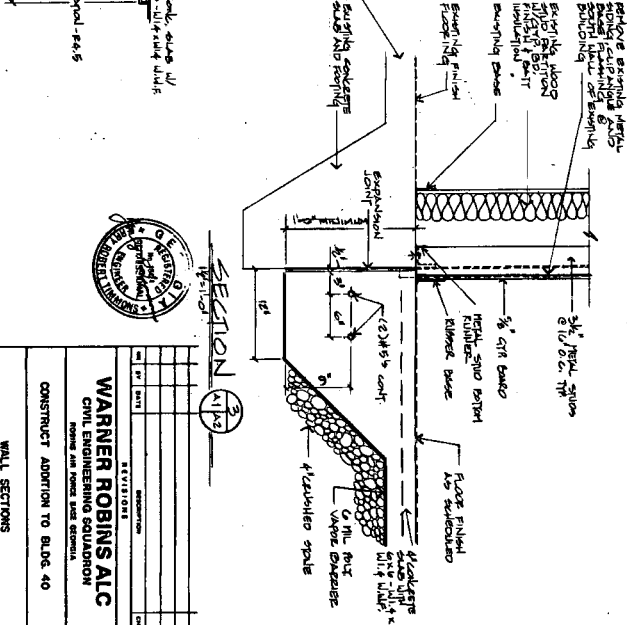
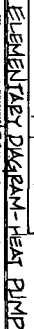
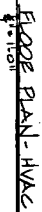


APPENDIX J

EXISTING INFORMATION ON BUILDING 40



* INDICATES STD. APT. CONDITIONS

ITEM	DESCRIPTION
549	<p>INTERGRATED FACE ALUMINUM SUPPLY AIR DIFFUSER WITH 4-WAY NONDIRECTIONAL ADJUSTABLE DIRECTIONAL VANES 22"x22" FACE THE SUPPLY AIR IN T-DUCT GRID LAY-IN CEILING (GRATED) WHITE FINISH, 8406 OF DESIGN; MFR.-AIRS MODEL # 7200</p>

REQUIREMENTS OF COMBINATION

The delivery of the plan is determined by the nature of the problem. The solution must be a combination of the following: (1) a clear statement of the problem; (2) a clear statement of the objectives; (3) a clear statement of the constraints; (4) a clear statement of the assumptions; (5) a clear statement of the data; (6) a clear statement of the results; (7) a clear statement of the conclusions; (8) a clear statement of the recommendations; (9) a clear statement of the implementation plan; (10) a clear statement of the evaluation plan; (11) a clear statement of the monitoring plan; (12) a clear statement of the reporting plan; (13) a clear statement of the communication plan; (14) a clear statement of the documentation plan; (15) a clear statement of the archiving plan; (16) a clear statement of the disposal plan; (17) a clear statement of the security plan; (18) a clear statement of the backup plan; (19) a clear statement of the recovery plan; (20) a clear statement of the disaster recovery plan; (21) a clear statement of the business continuity plan; (22) a clear statement of the incident response plan; (23) a clear statement of the crisis management plan; (24) a clear statement of the public relations plan; (25) a clear statement of the media relations plan; (26) a clear statement of the investor relations plan; (27) a clear statement of the analyst relations plan; (28) a clear statement of the regulatory relations plan; (29) a clear statement of the government relations plan; (30) a clear statement of the community relations plan; (31) a clear statement of the environmental relations plan; (32) a clear statement of the social relations plan; (33) a clear statement of the cultural relations plan; (34) a clear statement of the ethical relations plan; (35) a clear statement of the legal relations plan; (36) a clear statement of the financial relations plan; (37) a clear statement of the operational relations plan; (38) a clear statement of the technical relations plan; (39) a clear statement of the human resources relations plan; (40) a clear statement of the marketing relations plan; (41) a clear statement of the sales relations plan; (42) a clear statement of the customer relations plan; (43) a clear statement of the supplier relations plan; (44) a clear statement of the partner relations plan; (45) a clear statement of the competitor relations plan; (46) a clear statement of the industry relations plan; (47) a clear statement of the association relations plan; (48) a clear statement of the trade group relations plan; (49) a clear statement of the professional relations plan; (50) a clear statement of the academic relations plan; (51) a clear statement of the research relations plan; (52) a clear statement of the development relations plan; (53) a clear statement of the innovation relations plan; (54) a clear statement of the intellectual property relations plan; (55) a clear statement of the patent relations plan; (56) a clear statement of the trademark relations plan; (57) a clear statement of the copyright relations plan; (58) a clear statement of the trade secret relations plan; (59) a clear statement of the know-how relations plan; (60) a clear statement of the confidential information relations plan; (61) a clear statement of the sensitive information relations plan; (62) a clear statement of the proprietary information relations plan; (63) a clear statement of the confidential information relations plan; (64) a clear statement of the sensitive information relations plan; (65) a clear statement of the proprietary information relations plan; (66) a clear statement of the confidential information relations plan; (67) a clear statement of the sensitive information relations plan; (68) a clear statement of the proprietary information relations plan; (69) a clear statement of the confidential information relations plan; (70) a clear statement of the sensitive information relations plan; (71) a clear statement of the proprietary information relations plan; (72) a clear statement of the confidential information relations plan; (73) a clear statement of the sensitive information relations plan; 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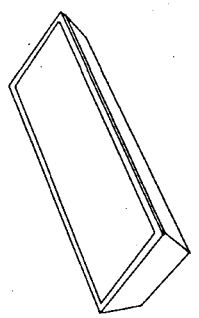
**WARNER ROBINS ALSO
CIVIL ENGINEERING SQUADRON**

CONSTRUCT ADDITION TO BLDG. 40

HVAC PLAN 8 DETAIL 5

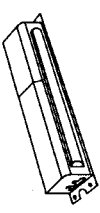
DAVIS & FLOYD, INC.
CONSULTING ENGINEERS
GREENWOOD, S.C.

REGISTERED	STATION	CHECKING
KELLEY	HAYNES	THIMMONS
PROJECT NO.	SCALE	DATE
WR 289-8	AS SHOWN	0-88-36
DATE	PLANT	
22 MAR 88	M-1	
	FEET	5 OF 7
		BOOTS



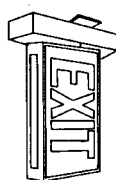
LUMINAIRE REQUIREMENTS TYPE A

1. HOUSING SHALL BE 22 GAGE (U.S. STD.) MIN. 5" MAX. HEIGHT AND SHALL NOT PERMANENTLY DEFORM WHEN LIFTED BY ONE CORNER WITH LENS DOOR IN PLACE NOR WITH LENS DOOR REMOVED. LENS DOOR SHALL NOT OPEN WHEN LUMINAIRE IS LIFTED BY ONE CORNER WITH LENS DOOR REMOVED. LENS SHALL BE SECURED BY RIVETS OR SCREWS.
 2. HOUSING SHALL BE CHEMICALLY TREATED FOR RUST PREVENTION AND HAVE BAKED WHITE ENAMEL FINISH WITH 85% MIN. REFLECTANCE (INTERIOR). ENDS SHALL BE SECURED BY RIVETS OR SCREWS.
 3. LATCHES SHALL BE A MINIMUM OF 20 GAGE STEEL OR 26 GAGE SPRING STEEL. DIRECTION OF TRAVEL TO OPEN SHALL BE STAMPED ON LENS FRAME WHEN NOT OBVIOUS.
 4. LENS DOOR SHALL BE 30 GAGE STEEL AND SHALL BE CAPABLE OF DISASSEMBLY FOR LENS REPLACEMENT. PROVIDE LIGHT TIGHT FIT WITHOUT MOVABLE BATTERIES.
 5. LENS SHALL BE 0.196" PLUS OR MINUS 10% OVERALL CLEAR PREPARED, 100% ACRYLIC.
 6. DOOR SHALL BE CAPABLE OF HINGING AND LATCHING FROM BOTH SIDES OF LUMINAIRE. PROVIDE SAFETY TYPE HINGES.
 7. BALLAST SHALL BE HIGH POWER FACTOR (>0.9) ETL CBM RATED OF RATED START CLASS P ENERGY SAVING BALLAST WITH SOUND RATING OF 50 DBA MAXIMUM AT 100 CM. BALLAST SHALL BE MOUNTED ON BRACKET OR TWO SCREWS, ONE AT EACH END.
 8. MINIMUM COEFFICIENTS OF UTILIZATION WITH CAVITY REFLECTANCES OF 80% CEILING, 50% WALLS AND 20% FLOOR SHALL BE:
- | ROOM | CAVITY RATIO | CU |
|------|--------------|----|
| 1 | .69 | |
| 2 | .62 | |
| 3 | .56 | |
| 4 | .50 | |
| 5 | .45 | |
| 6 | .41 | |
9. PROVIDE MOUNTING HARDWARE COMPATIBLE WITH CEILING MATERIAL.
 10. FUTURE SHALL BE 2X4" GRID PROTEREGRESS MOUNTED.
 11. MINIMUM SPACE TO MOUNTING HEIGHT RATIO SHALL BE 1:2.
 12. FUTURE TYPE A SHALL BE FOUR LAMP FUTURE. ALL LAMPS SHALL BE MINIMUM OUTPUT, AND 34 WATTS MAXIMUM LAMP VOLTAGE INPUT.
 13. FUTURE SHALL BE FOR USE ON 120 VAC SUPPLY VOLTAGE.
 14. PROVIDE FUTURE WITH EMERGENCY BATTERY AND LAMP SUPPLY UNIT FOR FUTURE USE. PROVIDE IDENTIFICATION OF STANDARD SHADING ON PLANS.
- BASES OF DESIGN: LITHONIA 20T 440 412 ES 120



EMERGENCY BATTERY AND LAMP SUPPLY UNIT FOR FLUORESCENT FIXTURES

1. THE UNIT SHALL CONFORM TO UL 924. THE UNIT SHALL MEET OR EXCEED THE NATIONAL ELECTRICAL CODE, N.E.C., 70, TIME AND VOLTAGE REQUIREMENTS AND SHALL PROVIDE A MINIMUM OF 60% OF INITIAL EMERGENCY ILLUMINATION.
 2. THE UNIT SHALL CONSIST OF SOLID STATE ELECTRONIC COMPONENTS AND SHALL BE COMPLETELY SELF-CONTAINED WITH A NICKEL CADMIUM BATTERY AND ENCAPSULATED INVERTER/CHARGER HOUSED IN A SINGLE ENCLOSURE.
 3. THE UNIT SHALL AUTOMATICALLY SUPPLY ILLUMINATION TO ONE 40 WATT RAPID START FLUORESCENT LAMP WITH 3000 HOUR LIFE. THE UNIT SHALL BE CAPABLE OF RETURNING TO NORMAL OPERATION AFTER THE BATTERY IS RECHARGED IN 24 HOURS.
 4. DURING NORMAL CONDITIONS THE BATTERY CHARGER SHALL MAINTAIN THE BATTERY FROM AN UNCHARGED STATE TO MAINTAIN FULL CHARGE CONDITION.
 5. A FULLY CHARGED CONDITION SHALL BE INDICATED BY A LIGHT EMITTING DIODE, A TEST SWITCH, CONVENIENTLY LOCATED, SHALL BE PROVIDED TO TEST THE SOLID STATE CIRCUITRY AND BATTERY READINESS.
 6. THE BATTERY SHALL HAVE A MAINTENANCE FREE LIFE OF 7 YEARS MINIMUM.
 7. THE UNIT SHALL BE EQUIPPED FOR VOLTAGE OF 120VAC.
 8. UNIT SHALL BE CAPABLE OF BEING WIRED INTO THE BUILDING CIRCUITRY EITHER SUPPLIED BY A NIGHT LIGHTING CIRCUIT PERMANENTLY ENERGIZED, OR WIRED AS A SWITCHABLE UNIT WITH SEPARATE CIRCUIT FOR BATTERY CHARGING THAT ENERGIZES THE FUTURE ON POWER LOSS.
- BASES OF DESIGN: LITHONIA EL SUPPLY TO FUTURE CATALOG NUMBER **Defender Standard UL 924-B4, UL924-70-B7**



LUMINAIRE REQUIREMENTS TYPE X WALL MOUNT

1. LETTER SHALL BE 6" TALL WITH 3/4" STROKES FORMED BY A STENCIL FACE.
 2. PROVIDE RED FIBERGLASS PANEL BEHIND STENCIL FACE.
 3. PROVIDE TWO LONG LIFE INCANDESCENT LAMPS FOR NORMAL LIGHTING PLUS TWO LAMPS FOR EMERGENCY USE.
 4. PROVIDE RELIABLE SOLID STATE CHARGING AND SWITCHING.
 5. PROVIDE SEALED RECHARGEABLE NICKEL CADMIUM MAINTENANCE FREE BATTERY.
 6. BATTERY SHALL PROVIDE A MINIMUM OF 90 MINUTES EMERGENCY SERVICE.
 7. PROVIDE TEST SWITCH AND READY LIGHT.
 8. HOUSING SHALL BE DIE CAST ALUMINUM.
 9. FUTURE SHALL BE FOR USE ON 120 VAC SUPPLY VOLTAGE.
- BASES OF DESIGN: LITHONIA ES-EV SERIES 11-STENCIL FACE

ELECTRICAL LEGEND:

- INDICATE RUN CONCEALED ABOVE CEILING OR IN WALL. CROSS MARKS INDICATE THE NUMBER OF CIRCUIT CONDUCTORS INCLUDING NEUTRALS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY CROSS MARKS BUT SHALL BE INSTALLED IN ALL RACEWAYS UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE #12 AWG MINIMUM SIZE AND RACEWAY SHALL BE 1/2" MINIMUM SIZE. CONDUCTORS SHALL BE #12 AWG MINIMUM SIZE. CONDUCTORS PLUS ONE #12 AWG EQUIPMENT GROUNDING CONDUCTOR IN 1/2" RACEWAY.
- HOWEVER TO PANELBOARD, LETTER OR LETTERS DENOTE WHICH PANEL AND CIRCUIT OR CIRCUITS ARE INDICATED. THIS IS NOT NECESSARY IF THE CIRCUIT INDICATES A SEPARATE CIRCUIT WHERE MULTIPLE CIRCUITS ARE RUN IN A COMMON CONDUIT.
- Symbol Legend:**
- **1-1.5** FINE ALUMINUM CONDUIT, RACEWAY
 - ② **2** COMBINATION FIXED TEMPERATURE RATE OF RISE DETECTOR.
 - ③ **3** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
 - ④ **4** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
 - ⑤ **5** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
 - ⑥ **6** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
 - ⑦ **7** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
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 - ㊿ **50** FINE ALUMINUM MINIMUM FULL SECTION, MOUNTED 48" ABOVE FLOOR.
- Abbreviations:**
- A1: ABOVE FLOOR
 - A2: ABOVE FLOOR
 - A3: ABOVE FLOOR
 - A4: ABOVE FLOOR
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 - A47: ABOVE FLOOR
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 - A50: ABOVE FLOOR
- Legend & Light Fixture Details:**
- CONSTRUCT ADDITION TO BLDG. 40
- LEGEND & LIGHT FIXTURE DETAILS
- WARNER ROBINSON A/C
- CONTRACTOR: WARNER ROBINSON A/C
- DATE: 12 MAR 68
- BY: E-1
- REVISIONS:
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